

PROJECTS FOR PHD STUDENTS AND POSTDOCS AVAILABLE

PhD and postdoctoral candidates who are interested in interdisciplinary projects are welcome to contact the group for discussing options to join our team.

Our work is well supported by long-term (inter-)national external funding and provides the opportunity to learn state of the art techniques that are only available in a few labs world wide. We are a dynamic, interdisciplinary team that strives for making significant advances at the interface between physics, chemistry and the life sciences. The Berlin-based lab is embedded into one of the nation's most active life sciences hubs.

Various aspects such as generation and handling of hyperpolarized xenon, NMR and MRI pulse sequence development, investigations of nanocarriers and model membranes, as well as studies with an NMR live cell bioreactor are part of our work.

MRI experiments are performed on a 400 MHz widebore NMR spectrometer with MRI capabilities, including live animal imaging for small rodents. The group also has access to dedicated small animal MRI scanner on campus and elsewhere in Berlin.

wide bore NMR spectrometer



head MRI of a newborn mouse



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